

**Abstract**

The object of the invention is to improve delivery of the multi-phase mixture, in particular hydrocarbons from a well, and to limit the free gas volume. According to the invention, this object is attained in that a partial liquid flow (13) is split off on the pressure side from the main delivery flow and guided to the high-pressure side of at least one ejector pump (2) arranged on the suction side as an auxiliary delivery device. The pump installation provides a feed line (7) connecting the pressure chamber of the displacement pump (1) with the high-pressure side of at least one ejector pump (2), whereby the ejector pump (2) is arranged on the suction side in the delivery direction of the displacement pump (1).